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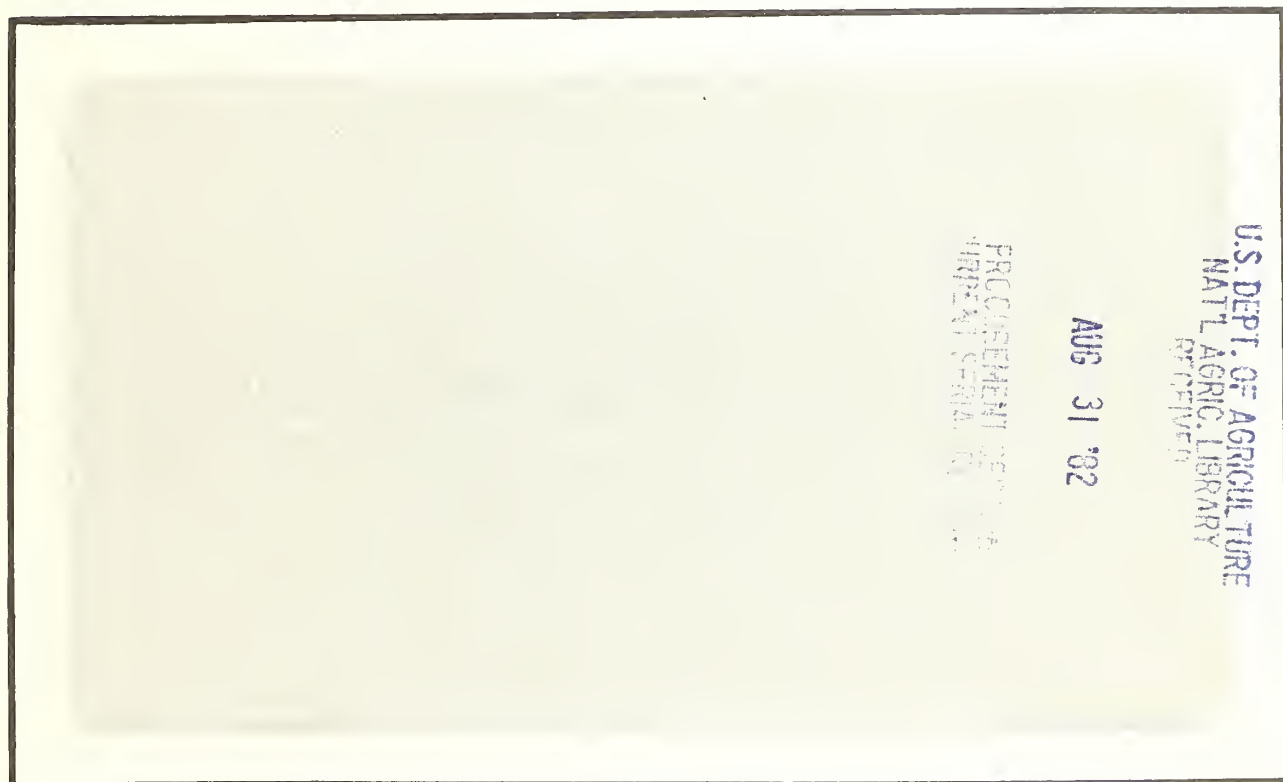
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The Effects of Environment on Livestock

A Bibliography



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The Effects of Environment on Livestock

A Bibliography

By Donald G. Stevens

U.S. Department of Agriculture
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ABSTRACT

With over 1,900 citations, this bibliography includes most English-language papers, books, and theses published since 1945 on how environment affects livestock. Index terms: bibliographies, buffaloes, cattle, dairy cattle, environment, environmental effects, goats, livestock, poultry, sheep, swine.

This publication is available from Meat Processing and Marketing Research, P.O. Box ED, College Station, Tex. 77841.

On June 17, 1981, the Secretary of Agriculture abolished the Science and Education Administration, formerly the publisher of this series, and re-established the four agencies (Agricultural Research Service, Cooperative State Research Service, Extension Service, and National Agricultural Library) out of which SEA had been organized in 1978. This series will continue under the imprint of the Agricultural Research Service (Southern Region).

The Effects of Environment on Livestock

A Bibliography

By Donald G. Stevens¹

The worldwide production of livestock is a vast industry and a major supplier of protein for human consumption. Production of this protein is controlled, to some extent, by the environment the livestock are reared in. In most parts of the world, at some time during the year, the natural climate will reduce the animal's potential for production. When livestock are introduced into climates different from those they evolved in, or when their environment is modified by various forms of shelter, the effect of environmental variables becomes much more important.

Twelve years ago, as a student becoming interested in how environment affects the health and production of livestock, I was handicapped in my research by the lack of a comprehensive bibliography. So I began to keep a card file of references. During my student and professional researches since then, my file on the subject has grown. This bibliography is based on that file; so it should be useful to both the beginning student and the established researcher.

Here, "environment" is the physical environment, including such variables as temperature, humidity, wind, thermal radiation, rain, noise, and altitude. The kinds of livestock considered are cattle, dairy cattle, swine, sheep, and poultry (laying hens, broilers, turkeys, geese, and ducks). There are also some references for goats and buffalo.

Compiling and keeping up with the literature pertaining to livestock environment was not easy. This bibliography contains over 1,900 titles published from 1945 to 1978. I realize that it cannot possibly be complete, and I will appreciate hearing about my omissions. If possible, I will publish an addendum of new and omitted works. The citations begin in 1945 because I felt that S. E. Brody's comprehensive work "Bioenergetics and Growth" adequately covered the work before this date. The entries are arranged alphabetically (by first author only), then by date. By disregarding all but the first author in this arrangement, I am able to give an idea of the development of that author's research work.

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